

JUL 22 2005

Sheet 1 of 3

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
05918-346001Application No.
10/728,138**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
George A. Provost et al.Filing Date
December 3, 2003

Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
JAH	AA	3,408,417	10/1968	Sogawa et al.			
	AB	4,192,086	03/1980	Sichak			
	AC	4,342,802	08/1982	Pickens, Jr. Et al.			
	AD	4,521,472	06/1985	Gold			
	AE	5,380,580	01/1995	Rogers et al.			
	AF	5,571,097	11/1996	Seth			
	AG	5,599,601	02/1997	Polski et al.			
	AH	5,603,708	02/1997	Seth			
	AI	5,611,789	03/1997	Seth			
	AJ	5,611,791	03/1997	Gorman et al.			
	AK	5,707,906	01/1998	Eschenbach			
	AL	5,759,926	06/1998	Pike et al.			
	AM	5,763,041	06/1998	Leak et al.			
	AN	5,814,390	09/1998	Stokes et al.			
	AO	5,866,222	02/1999	Seth et al.			
	AP	5,904,793	05/1999	Gorman et al.			
	AQ	5,931,823	08/1999	Stokes et al.			
	AR	5,945,215	08/1999	Bersted et al.			
	AS	5,962,112	10/1999	Haynes et al.			
	AT	5,964,742	10/1999	McCormack et al.			
	AU	5,997,981	12/1999	McCormack et al.			
	AV	6,051,094	04/2000	Melbye et al.			
	AW	6,093,665	07/2000	Sayovitz et al.			
	AX	6,129,879	10/2000	Bersted et al.			
	AY	6,129,964	10/2000	Seth			
	AZ	6,162,522	12/2000	Deka et al.			
JAH	AAA	6,195,850	03/2001	Melbye et al.			

Examiner Signature

JAH

Date Considered

12-7-05

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05918-346001	Application No. 10/728,138
	Applicant George A. Provost et al.		
	Filing Date December 3, 2003	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
JAG	ABB	6,265,053	07/2001	Kronzer et al.			
	ACC	6,355,759	03/2002	Sherman et al.			
	ADD	6,368,444	04/2002	Jameson et al.			
	AEE	6,454,989	09/2002	Neely et al.			
	AFF	6,537,935	03/2003	Seth et al.			
	AGG	6,598,276	07/2003	Shepard et al.			
	AHH	6,638,611	10/2003	Seth			
	AII	6,642,160	11/2004	Takahashi			
	AJJ	6,642,429	11/2003	Carter et al.			
	AKK	6,645,611	11/2003	Seth			
	ALL	6,660,202	12/2003	Shepard et al.			
	AMM	6,686,303	02/2004	Haynes et al.			
	ANN	6,703,086	03/2004	Kronzer et al.			
	AOO	6,716,511	04/2004	Bersted et al.			
	APP	6,756,327	06/2004	Martin			
JAG	AQQ	6,783,834	08/2004	Shepard et al.			

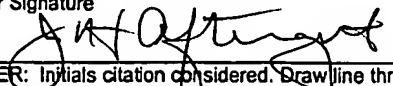
Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
JAG	ARR	0 765 616 A1	04/02/97	Europe			Yes No
JAG	ASS	WO04/019305	03/2004	PCT			
JAG	ATT	WO04/049853	06/2004	PCT			

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
JAG	AUU	Dilo Group, "Market Leadership in Nonwovens Technology", Pakistan Textile Journal, date unknown (2 pages)
JAG	AVV	Dilo, "Engineering Excellence in Needle Looms!", Hyperpunch - The Solution for Fine and Quality Fleeces, Synthetic Leather, Spunbondeds, Papermachine Felts!, date unknown (2 pages)

Examiner Signature <i>George A. Provost</i>	Date Considered 12-7-05
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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
JMR	AWW	Purdy, Terry, Dilo Inc., "Needle Punching Benefits from Elliptical Needle Paths, date unknown (13 pages)
	AXX	

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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>JLH</i>	AA	2004/0020579	02/2004	Durrance et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>JLH</i>	AL	WO03/051251	06/2003	PCT				
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature <i>A. H. Attorneys</i>	Date Considered 12-7-05
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Substitute Form PTO-1449 (Modified) NOV 17 2004 PATENT & TRADEMARK OFFICE (37 CFR 1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 05918-346001	Application No. 10/728,138
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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
JAK	AA	2004/0131820	07/08/2004	Turner et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
JAK	AB	2004/059061	07/15/2004	WIPO				
	AC	2004/058497	07/15/2004	WIPO				
	AD	2004/058118	07/15/2004	WIPO				
JAK	AE	2004/059117	07/15/2004	WIPO				

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(37 CFR §1.98(b))

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>JH</i>	AA	4,609,581	09/1986	Ott			
<i>JH</i>	AB	5,962,102	10/1999	Sheffield et al.			
<i>JH</i>	AC	6,329,016	12/2001	Shepard et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	1 279 348 A1	01/2003	Europe				
	AM	WO 0180680	01/2001	PCT				
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>grr</i>	ALLL	EP 0 780 505	06/25/1997	Europe			X	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
JAK	AA	3,674,618	07/04/72	Spann			
	AB	4,116,892	09/26/78	Schwarz			
	AC	4,154,889	05/15/79	Platt			
	AD	4,223,059	09/16/80	Schwarz			
	AE	4,258,097	03/24/81	Benedyk			
	AF	4,295,251	10/20/81	Tatham et al.			
	AG	4,320,167	03/16/82	Wishman			
	AH	4,377,889	03/29/83	Tatham et al.			
	AI	4,379,189	04/05/83	Platt			
	AJ	4,389,442	06/21/83	Pickens, Jr. et al.			
	AK	4,391,866	07/05/83	Pickens, Jr. et al.			
	AL	4,418,104	11/29/83	Kiyomura et al.			
	AM	4,446,189	05/01/84	Romanek			
	AN	4,451,314	05/29/84	Knoke et al.			
	AO	4,490,425	12/25/84	Knoke et al.			
	AP	4,536,439	08/20/85	Forsten			
	AQ	4,600,605	07/15/86	Nakai et al.			
	AR	4,600,618	07/15/86	Raychok, Jr. et al.			
	AS	4,645,699	02/24/87	Neveu			
	AT	4,654,246	03/31/87	Provost et al.			
AU	4,750,443	01/14/88	Blaustein et al.				
AV	4,931,343	06/05/90	Becker et al.				
AW	5,032,122	07/16/91	Noel et al.				
AX	5,144,730	09/08/92	Dilo				
AY	5,216,790	06/08/93	Eschenbach				
AZ	5,254,194	10/19/93	Ott et al.				
JAK	AAA	5,256,231	10/26/93	Gorman et al.			

Examiner Signature <i>JAK</i>	Date Considered 12/7/05
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
JH	ABB	5,391,424	02/21/95	Kolzer			
	ACC	5,407,439	04/18/95	Goulait			
	ADD	5,407,722	04/18/95	Peake, III et al.			
	AEE	5,447,590	09/05/95	Gilpatrick			
	AFF	5,449,530	09/12/95	Peake, III et al.			
	AGG	5,470,417	11/28/95	Goulait			
	AHH	5,500,268	03/19/96	Billarant			
	AII	5,518,795	05/21/96	Kennedy et al.			
	AJJ	5,547,531	08/20/96	Allen et al.			
	AKK	5,605,729	02/25/97	Mody et al.			
	ALL	5,614,232	03/25/97	Torigoe et al.			
	AMM	5,614,281	03/25/97	Jackson et al.			
	ANN	5,615,460	04/01/97	Weirich et al.			
	AOO	5,616,155	04/01/97	Kronzer			
	APP	5,616,394	04/01/97	Gorman et al.			
	AQQ	5,622,578	04/22/97	Thomas			
	ARR	5,654,070	08/05/97	Billarant			
	ASS	5,669,900	09/23/97	Bullwinkel et al.			
	ATT	5,685,756	11/11/97	Noda			
	AUU	5,707,707	01/13/98	Burnes et al.			
	AVV	5,843,057	12/01/98	McCormack			
	AWW	5,858,515	01/12/99	Stokes et al.			
	AXX	5,888,607	03/30/99	Seth et al.			
	AYY	5,891,547	04/06/99	Lawless			
	AZZ	6,329,016 B1	12/11/01	Shepard et al.			
JH	AAAA	6,342,285	01/29/02	Shepard et al.			

Examiner Signature <i>JH Aftergut</i>	Date Considered 12/7/05
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							Yes	No
JAT9	ABBB	DE 101 39 842 A1	04/03/03	Germany			Abstract Only	
	ACCC	EP 0 482 749 A1	04/29/92	Europe				
	ADDD	EP 0 780 505 A2	06/25/97	Europe			X	
	AEEE	JP 06-123061	05/06/94	Japan			X	
	AFFF	JP 08-27657	01/30/96	Japan			X	
	AGGG	JP 09-195155	07/29/97	Japan			X	
	AHHH	JP 10-146207	06/02/98	Japan			X	
	AIII	JP 10-151005	06/09/98	Japan			X	
	AJJJ	WO 98/33410	08/06/98	PCT				
	AKKK	WO 99/11452	03/11/99	PCT				

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